I think of a number  
I double it, and then add 3. I then multiply all of this by 5.  
My result is 45.  
  
What number did I start with?

2(3x + 1) = 20

3(4x – 3) = 15

5(2x + 1) = 45

4(2x – 7) = 44

2(5x – 6) = 28

7(3x + 2) = 161

Tosco, Beth and Kathryn all have Sunday jobs as waitresses in Blandford. They all get paid £x per hour. Last Sunday they all worked 5 hours. Tosco got £4.50 in tips, Beth got £5.20 in tips and Kathryn got £2.30 in tips.

At the end of the day they put all the money they earned to ether and shared it out. Each girl has £24.

(a) How much did they get in total?

(b) Write an equation for x.

(c) Solve this equation to find x and therefore how much their hourly rate is.